

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Meteorologist in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American meteorological society. Bulletin. Worcester, Mass. v. 4. August-September, 1923.

Brooks, Charles F. Some undesirable climatic features of the shores of small lakes. p. 125-127.

American review of reviews. New York. v. 68. October, 1923.

Woolard, Edgar W. The Japanese earthquake. p. 371-382.

Annales de géographie. Paris. 32 année. 15 septembre 1923.

Koláček, F. Les tremblements de terre en Tchécoslovaquie. p. 464-466.

Association of American geographers. Annals. New York. v. 13. June, 1923.

Kincer, Joseph B. The climate of the Great Plains as a factor in their utilization. p. 67-80.

Astronomie. Paris. 37 année. Septembre 1923.

Besson, Louis. L'anthélie, les paranthélies et les halos blancs. p. 371-384.

Dufay, Jean. Le spectre du ciel nocturne. p. 384-386.

Aviation. New York. v. 15. October 8, 1923.

Colvin, Charles H. Calculating altitudes for record purposes. p. 440.

Brazil. Directoria de meteorologia. Revista mensal de meteorologia. Rio de Janeiro. v. 1. 1922.

Giovannini, H. Redução da pressão barométrica ao nível do mar. p. 44-46. (Setembro & outubro.)

Medeiros, Renato. O molusco arauá e a previsão de enchentes. p. 49-50. (Setembro & outubro.)

Sampaio Ferraz, [Joaquim de]. A cultura do algodão no Brasil, sob o ponto de vista climático. Memória apresentada à Conferência internacional algodoeira de 1922. p. 3-8. (Setembro & outubro.)

Sampaio Ferraz, [Joaquim de]. Primeiras determinações da espessura da brisa da tarde no Rio de Janeiro. p. 47-48. (Setembro & outubro.)

Silva, Herminio. Observação das nuvens. Um novo instrumento meteorológico. p. 18-21. (Setembro & outubro.)

Silva, Herminio. Sondagem atmosférica por balão piloto. p. 9-17. (Setembro & outubro.)

Silva, Herminio. Aplicações da meteorologia. p. 18-22. (Novembro & dezembro.)

Silva, Moacir. Proverbios meteoro-agricolas (weather lore). p. 51-56. (Setembro & outubro.)

Ciel et terre. Bruxelles. 39. année. Septembre 1923.

Collard, Aug. Silhouettes d'astronomes contemporains. III. Knut Ångstrom. (1857-1910.) p. 210-215.

Nodon, Albert. Les ultraradiations solaires et la radioactivité. p. 204-209.

Discovery. London. v. 4. October, 1923.

James, R. W. Antarctic pack-ice and the fate of the "Endurance." p. 260-265.

Ecology. Brooklyn, N. Y. v. 4. October, 1923.

DeForest, H. Rainfall interception by plants: An experimental note. p. 417-419.

France. Académie des sciences. Comptes rendus. Paris. t. 177. 1923.

Villard, P. Sur la couleur propre des nuages. p. 515-518. (17 sept.)

Guebhard, Adrien. À propos du macrosisme japonais. p. 593-595. (1 oct.)

France. Académie des sciences. Comptes rendus. Paris. t. 177. 1923—Continued.

Mariopoulos, E. G. Sur la formation des dépressions locales méditerranéennes et la théorie norvégienne du "polar front." p. 597-600. (1 oct.) [Abst. in this Review, p. 469.]

Roths, E. Sur les tremblements de terre de France en 1920-1921. p. 595-597. (1 oct.)

Franklin institute. Journal. Philadelphia. v. 196. 1923.

Power, A. D. The coefficient of recombination of the natural ions in air, and allied phenomena associated with weak atmospheric ionization. p. 327-352. (Sept.)

Loeb, Leonard B. The absolute mobilities of negative ions in air. p. 537-546. (Oct.)

Geographical review. New York. v. 13. October, 1923.

Montessus de Ballore, Count F. de. p. 633. [Obituary.]

Ward, Robert DeC. Fog in the United States. p. 576-582.

Geographische Zeitschrift. Leipzig. 29. Jahrg. 3. H. 1923.

Greim, Georg. Siegmund Günther. p. 161-164. [Obituary.]

Great Britain. Meteorological office. Geophysical memoirs. London. No. 21. 1923.

Watson, R. E. Pyrheliometer comparisons at Kew Observatory, Richmond, and their bearing on data published in the Geophysical journal.

Heating and ventilating magazine. New York. v. 20. October, 1923.

O'Connor, G. J. Moisture indoors and out. Information which may be passed on to advantage to the prospective user of humidifying equipment. p. 54-55.

Hemel en dampkring. Den Haag. 91 jaarg. 1923.

Gallé, P. H. De abnormale hitte in de eerste helft van Juli 1923. p. 277-280. (Sept.)

Kamerling, Z. Jaren met abnormale weersgesteldheid. p. 193-202. (Juli.) p. 270-277. (Sept.)

India. Meteorological department. Memoirs. Calcutta. v. 23, pt. 6. 1923.

Mossman, R. C. On Indian monsoon rainfall in relation to South American weather 1875-1914.

Japan. Central meteorological observatory. Seismological bulletin. Tokyo. v. 1. March, 1923.

Nakano, Horishi. Notes on the nature of the forces which give rise to the earthquake motions. p. 92-120.

Seismological observations in Tokyo. (September-December 1922.) p. 73-91.

Literary digest. New York. v. 79. October 20, 1923.

Trees in an ice-storm. p. 26-27. [Abstr. from Wisconsin magazine.]

National academy of sciences. Proceedings. Washington, D. C. v. 9. October, 1923.

Abbot, C. G. Preliminary note. On the variations of the sun's visible features associated with variations of solar radiation. p. 355-357.

Naturwissenschaften. Berlin. 9 Jahrg. 8 Juli 1921.

Fischer, Karl. Beziehungen zwischen Niederschlag, Abfluss und Verdunstung in Mitteleuropa und einige damit zusammenhängende Aufgaben. p. 533-534. [Abstract.]

Scientific American. New York. November, 1923.

Woolard, Edgar W. Earthquakes and volcanoes. The mechanics of these titanic subterranean forces and their destructive careers. p. 304-305; 370.

Seismological society of America. Bulletin. Stanford University. v. 13. March, 1923.

Willis, Bailey. A fault map of California. p. 1-12.

South African irrigation department magazine. Pretoria. v. 2. July, 1923.

Stewart, C. Notes on the rainfall over the South-West Cape, with special reference to the Berg River. p. 140-148.

U. S. Air service. Washington, D. C. v. 8. September, 1923.

Gregg, Willis Ray. The wind factor in flight: an analysis of one year's record of the air mail. p. 15-17. [Abstract from Mo. weather rev.]